

LIVE! alphaSyntauri™



LIVE music on your APPLE computer?

YES! The alphaSyntauri™ digital musical instrument puts you in command with the ability to:

- **PLAY** six voices at once
- **CONTROL** note dynamics such as timbre, loudness, sustain, and vibrato
- **SEE** what you are playing in full color
- **RECORD** over 7000 notes in a single session
- **SAVE** what you have recorded
- **PLAYBACK** your recordings with variable speed
- **CREATE** your own custom sounds and instruments
- **CHANGE** instruments during play and record
- **ENJOY** a unique music experience...over and over

THE SOUNDS OF SCIENCE! from Syntauri Ltd.,
3506 Waverley St., Palo Alto CA 94306 • (415) 494-1017

The alphaSyntauri™ musical instrument features:

- **A PROFESSIONAL KEYBOARD**, 61 notes formatted F to F (American Guild of Organists standard)
- **VELOCITY SENSING** on each key for dynamic control of note loudness as you play
- **EIGHT OCTAVE RANGE**. Five octaves are standard, two octaves up and one down are available with a one keystroke command on the Apple. Frequencies range from approx. 22 Hz (F₄) to 5600 Hz (F₁₁) on an evenly tempered scale
- **SIX VOICE POLYPHONY** (standard with two ALF Apple Music Synthesizers)
- **ENVELOPE CONTROL**. A six section envelope may be stored, recalled and customized while you play. Envelopes regenerate with each new note played, and any number of envelopes may be stored on disc for recall by name
- **TWO FOOT PEDALS** for sustain, vibrato, and percussive effects
- **TWO DISPLAYS**. A colorful real-time display of note position enhances play, record, and playback sessions. For training and analysis, a second display gives you note names as you play the keys
- **RECORDING** in real time. Recording sessions—compositions and improvisations—may be named, stored, and recalled at any time
- **VARIABLE SPEED PLAYBACK** without change of pitch. Speed may vary from 70% to 130% of recording speed, and envelope presets may be altered during playback for new instrumental effects
- **A TUTORIAL MANUAL** designed for you to learn the alphaSyntauri™ and its musical options

Why the alphaSyntauri™ system?

The alphaSyntauri™ musical instrument was designed by Charlie Kellner to be a musical tool for performing, educating, and composing. The hardware is deliberately simple: the software is modular and flexible—and is the heart of the alphaSyntauri™ system.

How does it work?

Your Apple computer looks at the alphaSyntauri™ keyboard every five milliseconds. When it sees a key depressed the software running on the Apple sets up note control information for the sound synthesizer board(s). The software then follows the note through, updating the control signal every five milliseconds according to the parameters preset for the note.

Parameters over which you have control are the envelope (note loudness over time), the octave range, the note percussion, vibrato, and sustain. The timbre (or instrument) which you hear is created when you manipulate the envelope's six sections. You can specify tone qualities ranging from a smooth legato to percussive effects which defy analogy to conventional instruments.

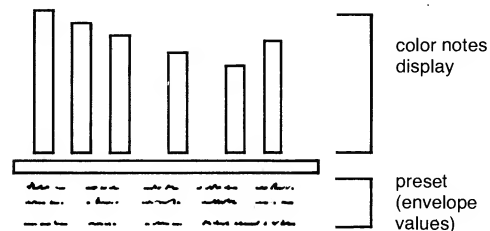
The alphaSyntauri™ operating system requires no more than six Kbytes of space. Each preset (envelope parameter) needs 32 bytes of storage, and each note stored uses no more than 4 bytes. A 48K Apple can store over 7000 notes in RAM during a typical record/playback session.

What equipment do you need?

A 48K Apple II or Apple II Plus, a disc drive, a color CRT, and two ALF (Apple Music Synthesizer boards) are basic equipment. Contact your dealer or **Syntauri** for information on other sound synthesizers supported by the alphaSyntauri™ system.

You will also need a stereo or mono amplifier and speaker(s). Headphones are handy, too, for practice sessions.

A rugged shipping/carrying carton comes with every alphaSyntauri™. Your musical instrument is as portable as your computer!



The alphaSyntauri™ display

What does the system cost?

The alphaSyntauri™ musical instrument includes the 61 note keyboard, all cables, two foot pedals, interface card, system software, and tutorial; it is available from your local Apple computer dealer. (If your dealer does not yet carry the alphaSyntauri™ have him or her contact **Syntauri** for dealer information.) Suggested retail price is \$1295.00

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